

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made"

Respectfully submitted,



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Encl. (Version with Markings to Show Changes Made and Request for Approval
of Drawing Changes)

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Paragraph beginning at line 4 of page 7 has been amended as follows:

[Fig. 5 is an illustration showing the construction of a light source apparatus incorporating a DMD as a light modulating device.]

Fig. 5A is an illustration showing the optical system of a light source apparatus incorporating a DMD having a spectroscopic reflecting film formed thereon.

Fig. 5B is an outline for micromirrors of the DMD in Fig. 5A each having a spectroscopic reflecting film coated in its reflecting surface.

Paragraph beginning at line 10 of page 18 has been amended as follows:

Examples of the constructions of light source apparatuses will be explained with reference to Figs. 5 to 8. Figs. 5 to 8 concern the examples of the constructions of light source apparatuses: Fig. 5 illustrates the construction of a light source apparatus incorporating a DMD as a light modulating device, i.e., Fig. 5(A) [(a)] illustrates the optical system of a light source apparatus incorporating a DMD having a spectroscopic reflecting film formed thereupon, and Fig. 5(B) [(b)] outlines the micromirrors of the DMD in Fig. 5A each having a spectroscopic reflecting film coated on its reflecting surface; Fig. 6 illustrates the optical system of a light source apparatus incorporating a reflection mirror having a reverse dispersion function; Fig. 7 illustrates the optical system of a light source apparatus incorporating individually separated reflection mirrors; and Fig. 8 illustrates the optical system of a light source apparatus incorporating groups of lenses for combining beams reflected by the DMD.

Paragraph beginning at line 3 of page 19 has been amended as follows:

The optical system 50 of the light source apparatus shown in Fig. 5(A) [(a)] has practically the same construction as that of the light source apparatus 5 described above, and it comprises a light source lamp 51, such as a Xenon lamp or the like, which radiates light to be provided to the endoscope (not illustrated here); a parabolic mirror 52 which has its surface coated to filter out infra-red rays, so as to remove infra-red components from the light emanating from the light source lamp 51; a DMD (Digital Micromirror Device) 53 which restricts parallel beams from the parabolic mirror 52 in the time domain; a reflection mirror 54 for reflecting a part of radiation light radiated by the DMD 53; an integrator 55 for integrating beams reflected by the reflection mirror 54; and a converging lens 56 which converges the beams uniformly integrated by the integrator 55 onto a light-incident end surface of the light guide 15.

Paragraph beginning at line 14 of page 20 has been amended as follows:

In this example, as shown in Fig. 5(B) [(b)], each micromirror 53a of the DMD 53 has a diffracting/reflecting surface 58 which diffracts light impinging thereupon. This arrangement allows each micromirror 53a of the DMD 53 to reflect an incident beam at a different angle depending on its wavelength. Thus, beams reflected therefrom vary in an angular range of $\pm 10^\circ$ depending on the angle of the micromirror upon which they impinge, with an additional diffraction component depending on their wavelength.

IN THE DRAWINGS:

FIG. 5 has been replaced with the enclosed FIG. 5A and FIG. 5B.